

Mission statement

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The biogeochemical cycle is a key component of the Earth system. My main research interest is Earth system modeling with a strong focus on the interactive feedbacks between the biogeochemical cycle and climate change. I usually think of biogeosciences in the context of global environmental and climate change. The cycling of carbon, oxygen, nitrogen, and other biogeochemical elements occurs over different temporal and spatial scales, and eventually, the cycling of these elements has far-reaching global impacts.

Since its establishment, the section of biogeosciences (BG) has become an indispensable component of the Asia-Oceania Geosciences Society (AOGS). During the past few years, I have been serving as the BG section secretary, chairing the BG sessions, and delivering public and scientific talks at the AOGS annual meetings. I am willing to continue my contribution to the development of the BG section within the AOGS community. If elected to be the President of the BG section, I envision the following strategy plans:

- 1) Increase the influence of the BG sessions at AOGS annual meeting by inviting more world-renowned scientists in biogeosciences and better integrate the BG sessions with other sessions.
- 2) Increase the visibility of the official AOGS journal, *Geoscience Letters*. As an editor for the biogeosciences section, I will make great efforts to attract high-quality papers in the area of biogeosciences.
- 3) Integrate the development of biogeosciences with the research of global environmental and climate change by organizing workshops and AOGS sessions that address biogeoscience problems in the context of global change.

The above strategy pathway will be adjusted and expanded with the development of the BG section. My overall goal is to promote the research and education of biogeosciences in the Asia-Oceania region. Being a member of the AOGS family and a lead author of the upcoming IPCC AR6 report on climate change, I will spare no effort to work with my colleagues at AOGS and boost international collaborations. It is expected that with the development of AOGS, the BG section will play a more important role in the international community of biogeosciences.